

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P850653

Luminaire Tested: **GLAN-SB8B-735-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850653
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8B-735-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44292 lumens
Efficiency: N/A
Efficacy: 151.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

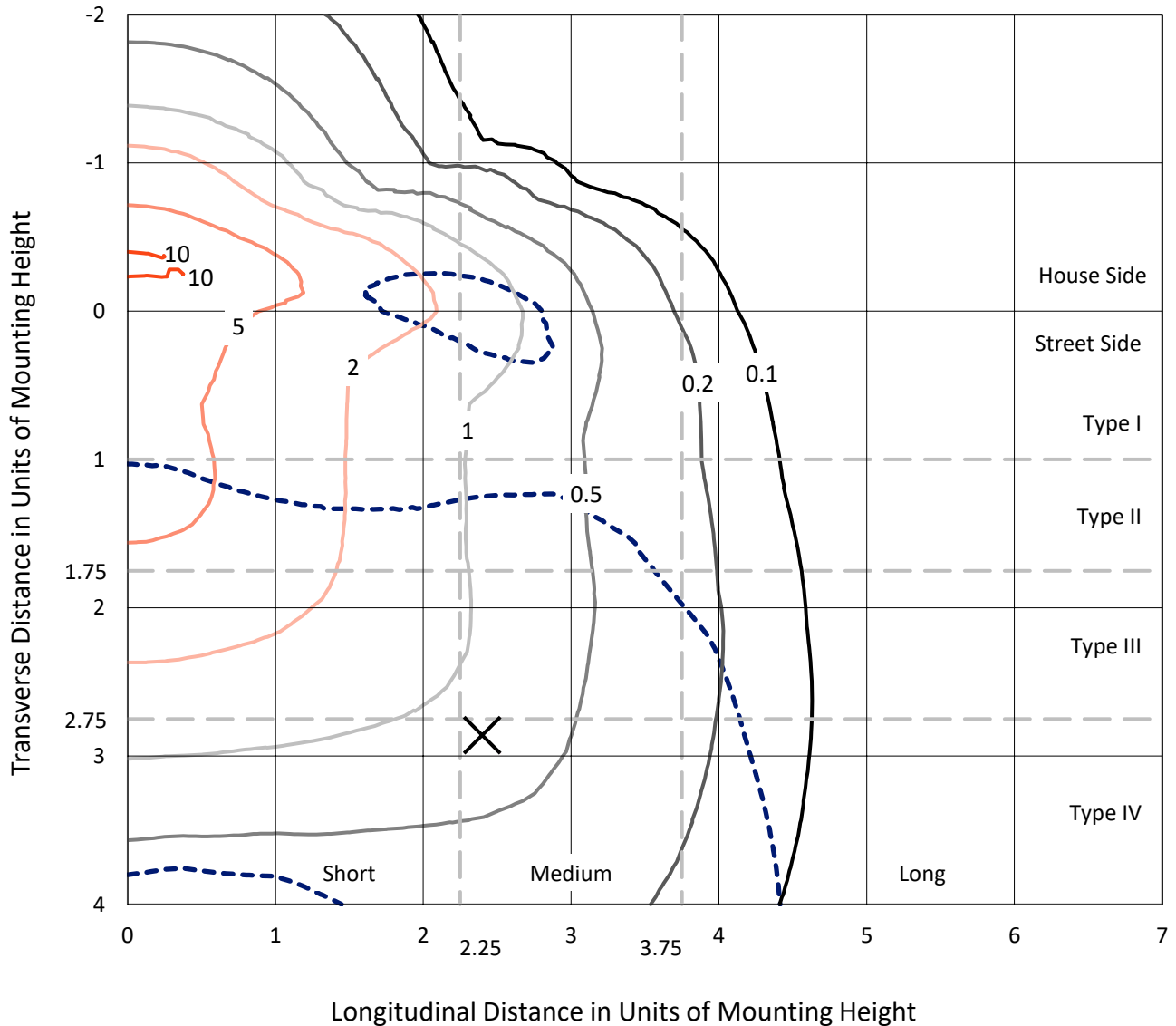
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

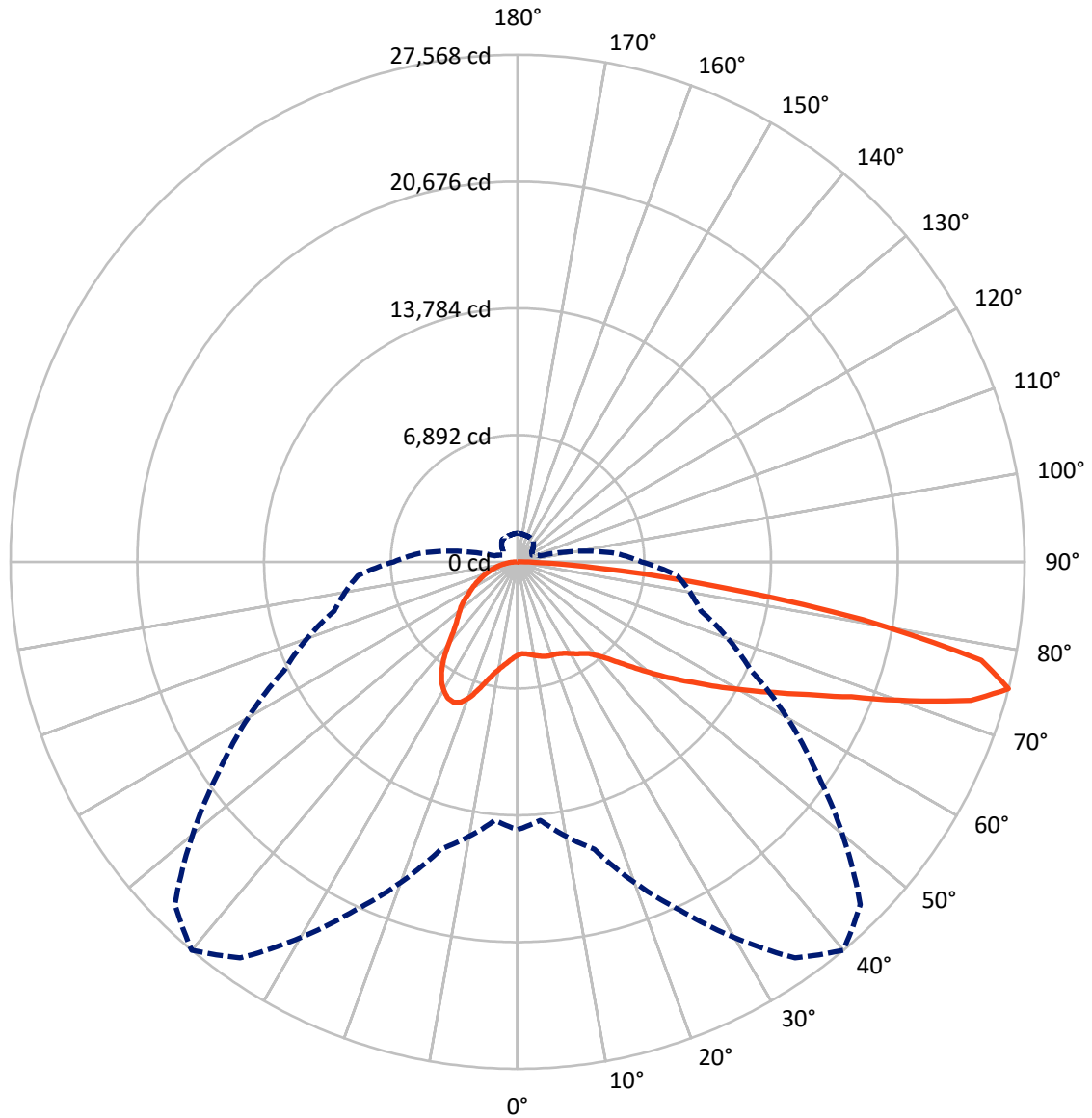
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13723.1	0.0	13723.1
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	30568.9	0.0	30568.9
	% Fixture	69.0	0.0	69.0
Total	Lumens	44292.0	0.0	44292.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	505.6	1.1
10°-20°	1697.4	3.8
20°-30°	3099.4	7.0
30°-40°	4395.7	9.9
40°-50°	5935.6	13.4
50°-60°	7984.9	18.0
60°-70°	10134.7	22.9
70°-80°	9197.9	20.8
80°-90°	1340.8	3.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	44292.0	100.0
0°-180°	44292.0	100.0

Coefficient of Utilization

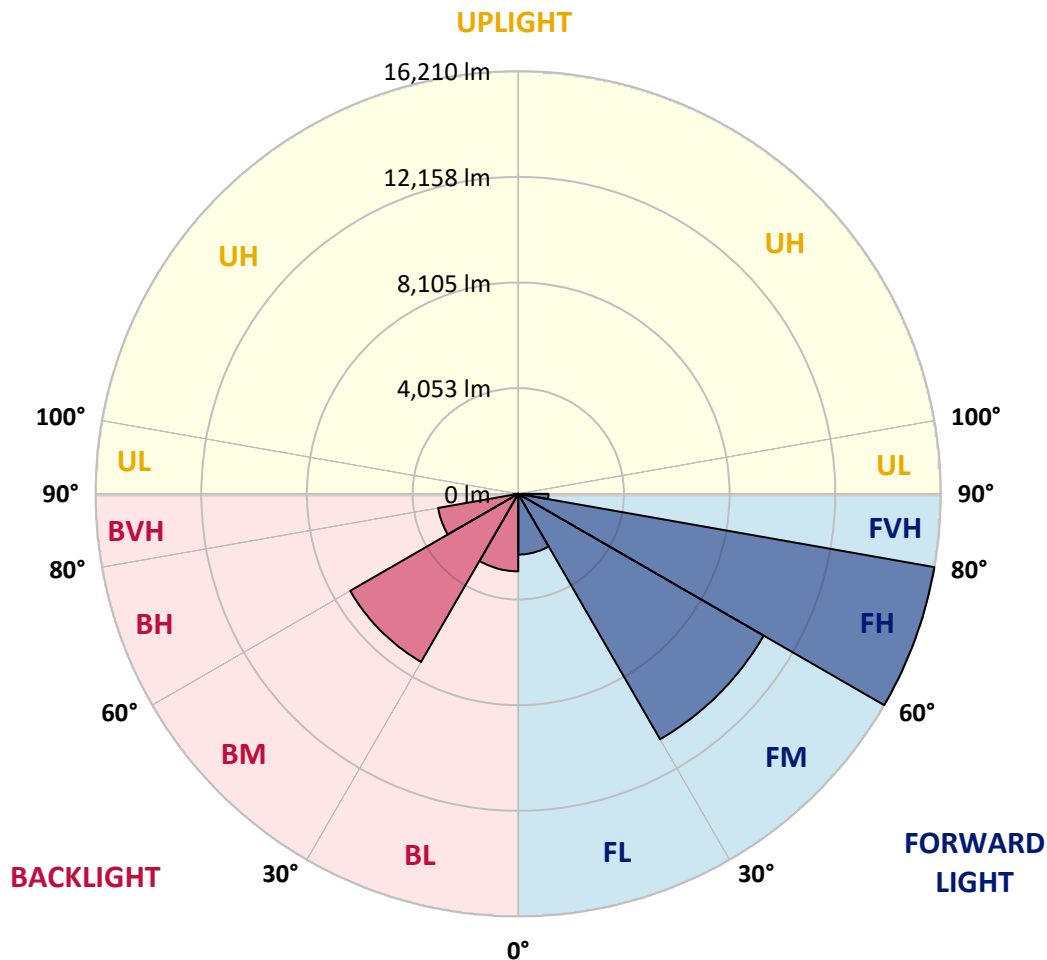


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2329.8	5.3			
FM (30°-60°)	10872.7	24.5			
FH (60°-80°)	16210.2	36.6			G5
FVH (80°-90°)	1156.2	2.6			G5
BL (0°-30°)	2972.6	6.7	B4/5000		
BM (30°-60°)	7443.6	16.8	B4/8500		
BH (60°-80°)	3122.4	7.0	B4/5000		G4/5000
BVH (80°-90°)	184.6	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	5064.8	5064.8	5064.8	5064.8	5064.8	5064.8	5064.8	5064.8	5064.8	5064.8
2.5°	4987.3	5015.5	5008.5	4999.1	4999.1	5001.4	4999.1	5015.5	5032.0	5048.4
5°	5039.0	5067.2	5053.1	5041.4	5032.0	5029.6	5022.6	5020.2	5029.6	5050.8
7.5°	5140.0	5168.2	5147.1	5125.9	5107.1	5097.7	5088.3	5074.2	5067.2	5078.9
10°	5252.8	5281.0	5255.1	5217.5	5187.0	5175.3	5165.9	5151.8	5142.4	5149.4
12.5°	5365.5	5393.7	5358.5	5306.8	5266.9	5259.8	5248.1	5243.4	5241.0	5238.7
15°	5471.3	5494.8	5450.1	5389.0	5346.8	5335.0	5323.3	5330.3	5342.1	5356.1
17.5°	5553.5	5577.0	5511.2	5431.3	5391.4	5386.7	5379.6	5403.1	5436.0	5471.3
20°	5628.7	5652.1	5567.6	5459.5	5412.5	5412.5	5414.9	5464.2	5511.2	5562.9
22.5°	5734.4	5753.2	5649.8	5501.8	5433.7	5438.4	5457.2	5506.5	5565.2	5635.7
25°	5891.8	5905.9	5779.0	5581.7	5504.1	5518.2	5534.7	5558.2	5614.6	5696.8
27.5°	6145.5	6157.2	5990.4	5722.6	5605.2	5628.7	5652.1	5635.7	5661.5	5732.0
30°	6502.6	6509.6	6298.2	5943.4	5776.7	5788.4	5793.1	5725.0	5675.6	5732.0
32.5°	6925.4	6923.1	6671.7	6211.3	5971.6	5959.9	5920.0	5786.0	5670.9	5720.3
35°	7580.8	7555.0	7230.8	6587.1	6192.5	6119.6	6025.7	5854.2	5694.4	5708.5
37.5°	8666.2	8586.3	8137.6	7202.6	6521.3	6335.8	6197.2	5964.6	5746.1	5703.8
40°	9890.1	9789.1	9295.7	8046.0	7014.7	6716.3	6493.2	6122.0	5830.7	5725.0
42.5°	11341.9	11198.6	10667.7	9039.7	7639.6	7207.3	6871.4	6321.7	5955.2	5793.1
45°	13124.9	12934.6	12182.9	10160.2	8426.5	7851.0	7402.3	6624.7	6145.5	5924.7
47.5°	14926.7	14973.7	13904.8	11442.9	9370.9	8645.0	8067.1	7080.5	6422.7	6136.1
50°	16841.3	16874.2	15617.4	12864.2	10442.1	9542.4	8814.2	7590.2	6807.9	6436.8
52.5°	18335.4	18340.1	17172.6	14351.2	11558.0	10529.1	9619.9	8172.8	7254.3	6836.1
55°	19270.4	19258.6	18262.6	15758.4	12840.7	11565.1	10512.6	8835.3	7799.3	7306.0
57.5°	19949.3	19914.1	19014.3	16968.2	14207.9	12789.0	11522.8	9587.0	8443.0	7865.1
60°	20207.7	20186.6	19524.1	18013.6	15645.6	14142.1	12688.0	10428.0	9173.6	8525.2
62.5°	20306.4	20346.3	20024.5	19026.1	17184.3	15640.9	13968.3	11433.5	9995.8	9272.2
65°	20654.1	20726.9	20661.1	20351.0	18922.7	17395.7	15666.7	12629.2	10893.2	10073.3
67.5°	21342.4	21415.2	21443.4	21936.7	21046.4	19582.8	17785.7	14118.6	11943.3	10904.9
70°	21325.9	21304.8	21802.8	23198.2	23705.7	22610.9	20642.3	15951.0	13195.4	11595.6
72.5°	19411.3	19242.2	20419.1	23184.1	25918.6	25772.9	24130.9	18314.3	14276.0	11680.2
75°	14562.6	14111.6	16190.6	20893.7	26287.4	27567.7	26348.5	19780.2	14020.0	10320.0
77.5°	6227.7	5774.3	8224.5	15467.1	23527.1	25770.6	24314.1	17257.1	11191.5	6824.4
80°	1630.3	1628.0	2485.4	7012.3	16000.3	19030.8	16695.7	11144.5	6394.5	2438.5
82.5°	674.2	657.8	913.8	2727.4	7818.1	10679.4	8715.5	4970.9	2309.3	660.1
85°	251.4	249.0	444.0	942.0	2757.9	4404.7	3187.8	1270.9	575.6	321.8
87.5°	70.5	68.1	96.3	326.5	671.9	1019.5	545.0	209.1	162.1	126.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5064.8	0°	5064.8	5064.8	5064.8	5064.8	5064.8	5064.8	5064.8	5064.8	5064.8	5064.8
5074.2	2.5°	5081.3	5093.0	5114.2	5130.6	5151.8	5175.3	5208.1	5229.3	5250.4	5264.5
5086.0	5°	5102.4	5128.3	5182.3	5236.3	5299.8	5358.5	5426.6	5476.0	5515.9	5527.6
5128.3	7.5°	5149.4	5191.7	5283.3	5374.9	5476.0	5572.3	5670.9	5755.5	5823.6	5849.5
5203.5	10°	5231.6	5288.0	5417.2	5546.4	5680.3	5828.3	5955.2	6077.3	6173.7	6213.6
5292.7	12.5°	5335.0	5405.5	5574.6	5753.2	5938.7	6143.1	6307.6	6457.9	6577.7	6631.8
5417.2	15°	5468.9	5560.5	5776.7	6016.3	6288.8	6573.0	6782.1	6948.9	7082.8	7148.6
5546.4	17.5°	5614.6	5736.7	6009.2	6371.0	6761.0	7134.5	7378.8	7501.0	7639.6	7703.0
5666.2	20°	5755.5	5905.9	6295.8	6822.0	7341.2	7738.2	7935.6	7968.4	7977.8	7984.9
5779.0	22.5°	5901.2	6103.2	6655.2	7390.5	7947.3	8222.2	8250.3	8109.4	7912.1	7820.4
5889.4	25°	6060.9	6328.7	7125.1	8017.8	8468.8	8501.7	8285.6	7942.6	7569.1	7397.6
5978.7	27.5°	6216.0	6589.5	7688.9	8616.8	8844.7	8555.7	8090.6	7604.3	7153.3	6972.4
6042.1	30°	6371.0	6887.8	8311.4	9140.7	9016.2	8421.8	7782.9	7240.2	6786.8	6596.5
6098.5	32.5°	6528.4	7235.5	9027.9	9518.9	8985.6	8137.6	7399.9	6831.4	6432.1	6232.4
6147.8	35°	6706.9	7663.1	9706.8	9725.6	8781.3	7719.4	6894.9	6342.8	5995.1	5835.4
6206.6	37.5°	6939.5	8205.7	10305.9	9777.3	8424.2	7106.3	6267.6	5764.9	5478.3	5405.5
6293.5	40°	7228.5	8858.8	10764.0	9695.1	7895.6	6361.6	5581.7	5180.0	5017.9	5034.3
6410.9	42.5°	7604.3	9589.4	11085.8	9483.7	7160.3	5593.4	4980.3	4801.7	4879.3	4945.0
6587.1	45°	8093.0	10348.2	11285.5	9124.2	6328.7	4942.7	4625.6	4667.8	4726.6	4733.6
6871.4	47.5°	8717.8	11116.4	11417.1	8581.6	5480.7	4484.6	4400.0	4409.4	4397.7	4348.3
7296.6	50°	9497.8	11863.4	11534.5	7862.7	4759.5	4198.0	4085.2	4052.3	3890.3	3730.5
7862.7	52.5°	10385.8	12549.4	11583.8	6970.0	4198.0	3958.4	3775.1	3568.4	3265.4	3216.0
8574.5	55°	11372.4	13183.6	11457.0	5873.0	3725.8	3650.6	3373.4	3124.4	3091.5	3049.2
9511.9	57.5°	12551.7	13867.3	11198.6	4649.0	3241.9	3291.2	3021.1	3049.2	2990.5	2924.7
10717.0	60°	13841.4	14574.4	10745.2	3533.2	2741.5	2842.5	2929.4	2927.1	2910.6	2856.6
11987.9	62.5°	15001.9	15039.5	9852.5	2706.3	2302.2	2494.8	2732.1	2729.8	2715.7	2685.1
13315.2	65°	15692.6	14969.0	8363.1	2130.7	1940.4	2208.2	2464.3	2483.1	2485.4	2483.1
14313.6	67.5°	15570.4	14144.5	6319.3	1696.1	1642.1	1916.9	2198.8	2224.7	2243.5	2248.2
14440.5	70°	14189.1	12333.2	4120.5	1353.1	1376.6	1660.9	1947.5	1973.3	1989.8	2008.6
12530.6	72.5°	11060.0	9067.9	2358.6	1094.7	1144.1	1440.1	1698.5	1729.0	1738.4	1773.6
8720.2	75°	6739.8	5332.7	1273.3	862.2	939.7	1231.0	1451.8	1487.0	1503.5	1545.8
4282.6	77.5°	3204.3	2309.3	725.9	671.9	756.4	1005.5	1226.3	1266.2	1221.6	1245.1
1181.6	80°	1083.0	857.5	458.1	512.1	577.9	784.6	982.0	1021.9	927.9	923.2
392.3	82.5°	378.2	347.7	291.3	340.6	373.5	561.5	742.3	794.0	690.7	688.3
176.2	85°	148.0	141.0	162.1	185.6	223.2	345.3	488.6	514.5	425.2	343.0
51.7	87.5°	30.5	32.9	39.9	42.3	68.1	119.8	176.2	216.1	171.5	145.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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180°
5064.8
5255.1
5532.3
5851.8
6216.0
6631.8
7143.9
7700.6
8003.7
7846.3
7423.4
6993.5
6617.7
6258.2
5870.6
5457.2
5090.7
5006.1
4780.6
4385.9
3751.7
3232.5
3056.3
2913.0
2837.8
2673.4
2483.1
2252.9
2018.0
1787.7
1550.5
1226.3
913.8
655.4
338.3
133.9
0.0

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